IN THE SPECIFICATION:

At Page 1, please add the following heading before heading "BACKGROUND OF THE INVENTION":

CROSS REFERENCE TO RELATED APPLICATIONS

At Page 1, please add the following paragraph after the heading "CROSS REFERENCE TO RELATED APPLICATIONS":

This application claims the benefit of Japanese Application No. 2003-115412 filed April 21, 2003.

At page 8, lines 10-12:

As shown in Figure 1, the operation console 3 comprises a central processing apparatus 30, an input device 31, a display device 32, and a ~~storage device 23~~ storage device 33.

At page 8, lines 18-20:

The ~~storage device 23~~ storage device 33 stores several kinds of programs and parameters for operating the X-ray CT apparatus 1 via the central processing apparatus 30, and data including image data for a CT image.

At page 9, lines 4-5:

The ~~storage device 23~~ storage device 33 is appropriately accessed by the control section 34, reconstructing section 36 and display section 38.

At page 12, lines 15-18:

Among the parameters relating to reconstruction of image data for the tomographic image Im, the geometry and the number of detector rows are invariable because they depend upon the apparatus configuration of the gantry 2, and their information is saved in the ~~storage device 23~~ storage device 33.

At page 12, lines 19-23:

The size of the tomographic image Im, its position relative to the axis of rotation AX, and the helical pitch are parameters that can be arbitrarily specified by the operator in imaging. The operator inputs these parameters via the input device 31. The input parameters are sent to the ~~storage device 23~~ storage device 33 via the central processing apparatus 30, and stored in the ~~storage device 23~~ storage device 33.

At page 12, line 24 to page 13, line 4:

The control section 34 accesses the ~~storage device 23~~ storage device 33 in a scan for acquiring projection data to obtain the parameters relating to reconstruction of image data for the tomographic image Im. The control section 34 then arithmetically finds detector rows required for acquiring projection data for use in reconstruction of the image data for the tomographic image Im based on these parameters. Specifically, for example, detector rows required for acquiring projection data for the tomographic image Im shown in Figure 3 are arithmetically found to be detector rows 2a, 3a, 2b and 3b as described above. The detector rows required for acquiring projection data are thus found from the geometrical relationship based on the parameters relating to reconstruction of image data.

At page 13, lines 18-21:

The parameters relating to imaging are sent to the ~~storage device 23~~ storage device 33, and stored together with parameters relating to the apparatus configuration including the geometry and the number of detector rows in the ~~storage device 23~~ storage device 33 as the parameters relating to reconstruction of tomographic image data.

At page 19, line 29 to page 20, line 2:

These parameters relating to imaging are stored together with parameters relating to the apparatus configuration in the ~~storage device 23~~ storage device 33 as the parameters relating to reconstruction of tomographic image data.